(12) INTERNATIONAL AP

ATION PUBLISHED UNDER THE PATENT CC RATION TREATY (PCT

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 3 January 2003 (03.01.2003)

PCT

(10) International Publication Number WO 03/001391 A1

(51) International Patent Classification7:

1 ()

(21) International Application Number: PCT/US02/19991

(22) International Filing Date: 21 June 2002 (21.06.2002)

(25) Filing Language:

English

G06F 15/00

(26) Publication Language:

English

(30) Priority Data:

60/299,808 21 J

21 June 2001 (21.06.2001) US

60/339,707 12 December 2001 (12.12.2001) Us

(71) Applicant and

(72) Inventor: BELL, Robert, A. [US/US]; 4533 Lowell Street, N.W., Washington, DC 20016 (US).

(74) Agents: DUNNAM, Michael, P. et al.; Woodcock Washburn LLP, One Liberty Place, 46th Floor, Philadelphia, PA 19103 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

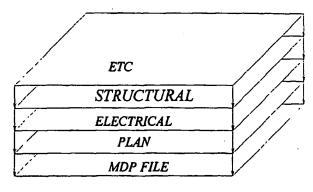
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR SPATIALLY COORDINATING, STORING AND MANIPULATING COMPUTER AIDED DESIGN DRAWINGS



(57) Abstract: A technique and associated software for spatially coordinating, storing, and manipulating computer aided Design (CAD) files with a master dimensional plan (MDP) file (Figure 1, MPD File, Plan, Electrical, Structural, etc.). The plan, elevation, section, and other related files are coordinated to a single unified spatial layout referenced to the MDP file. Special "tools" are used to design, manipulate and present the information as two-dimensional drawings referenced in the working space to the MDF file. Moving between the CAD drawing files coordinated to the MDP is facilitated by using icons corresponding to standard architectural graphic symbols as switch file icons that switch the user to other view files of the displayed object based on the selected graphic symbol. The technique allows

the user who is familiar with standard architectural nomenclature to move through CAD drawing files without needing to know the underlying CAD file structure. The iconic switching technique of the invention may also be used to move among coordinated no-architectural design drawings of industrial items and the like and may also be used independent of the spatial coordinating method as desired.



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